

COPPER BASE ALLOY SUITABLE FOR USE AS MATERIAL FOR SLIDING MEMBER

ABSTRACT OF THE DISCLOSURE

A copper base alloy suitable for use as a material for a  
5 sliding member used under severe sliding conditions such as a  
floating bush bearing of a turbocharger used in automobiles is  
disclosed. The alloy consists of, by mass %, 15 to 25% Zn, 4.2  
to 10% Bi, 2 to 7% Mn, 1 to 3% Si and balance of Cu and unavoidable  
impurities, the alloy having a structure of which matrix is  
10 composed of  $\alpha$ -single phase, wherein a eutectic structure of the  
 $\alpha$ -phase and an Mn-Si compound and Bi particle are distributed  
throughout the matrix.